# BlueStar Integration Server

build: 2018

## Outline

- What is BlueStar?
- Features
- Look Inside
- System Requirements

## What Is BlueStar?

 BlueStar Integration Server (BlueStar) is a platform designed for application integration and api gateway

- BlueStar Communication Service
  - UNC
  - FTP
  - Web Service (WS-Security) \*
  - Web API
  - WCF
  - SNA (LUO/APPC/DQ...)
  - TCPIP

or other channel such as MSMQ, IBM MQ, TIBCO ESB... etc.

 With built-in feature for transport authentication, message security and authorization

- BlueStar Transformation Service
  - High performance parser and schema cache mechanism
  - Legacy data type (ex. COBOL) conversion and validation
  - encode/decode with surrogate (4 bytes) support
  - transformation among JSON, XML and RAW Data (with various Encoding, such as:
    - EBCDIC
    - Unisys
    - ASCII, big5
    - Unicode)

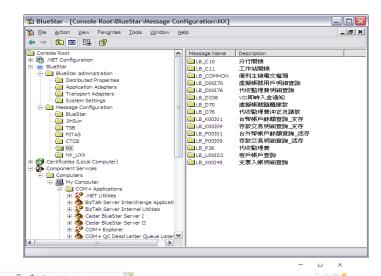
- BlueStar Workflow Service
  - Built-in workflow process engine for business transaction automation
  - Can be integrated with
    workflow solutions like
    BlueStar Safari, BPEL, Tibco,
    BEA, BizTalk, Workflow
    Foundation, ... etc.

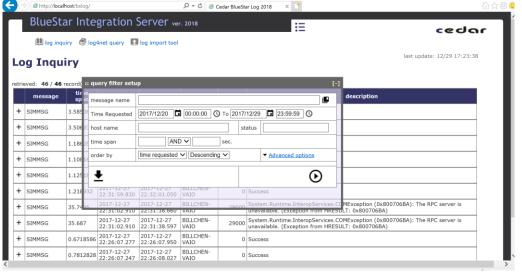


 Microsoft Management Console

 Web-based Management And Monitoring Tool

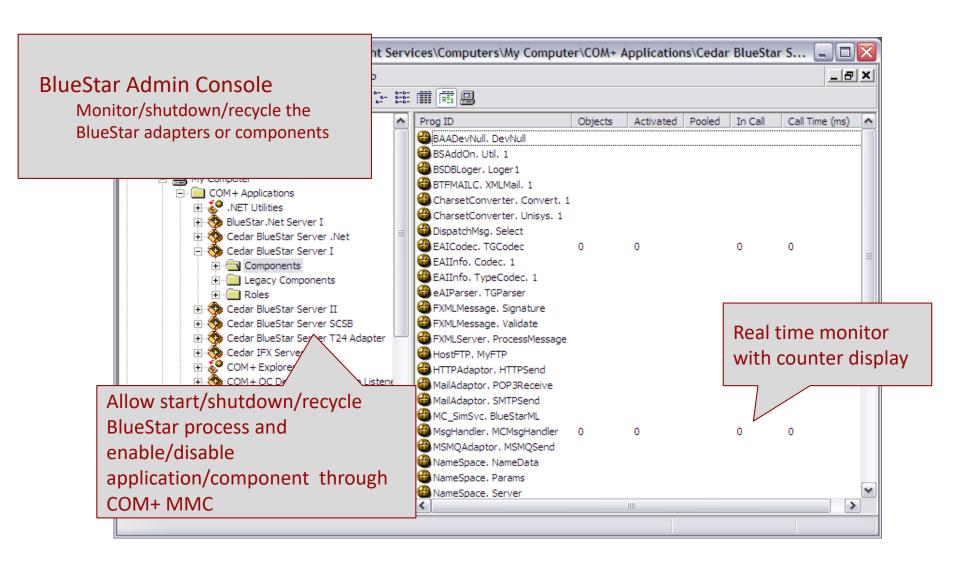
(Portal)

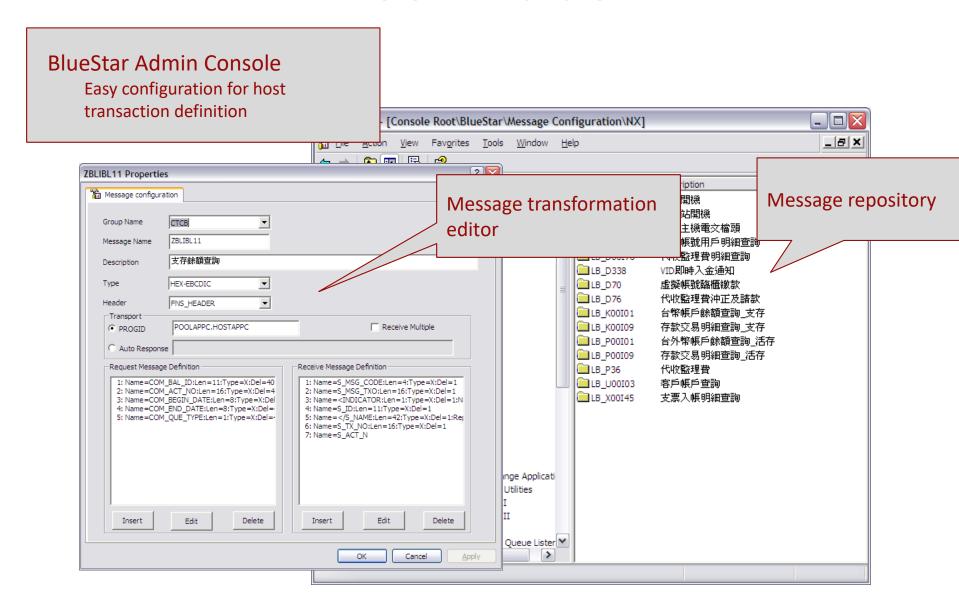




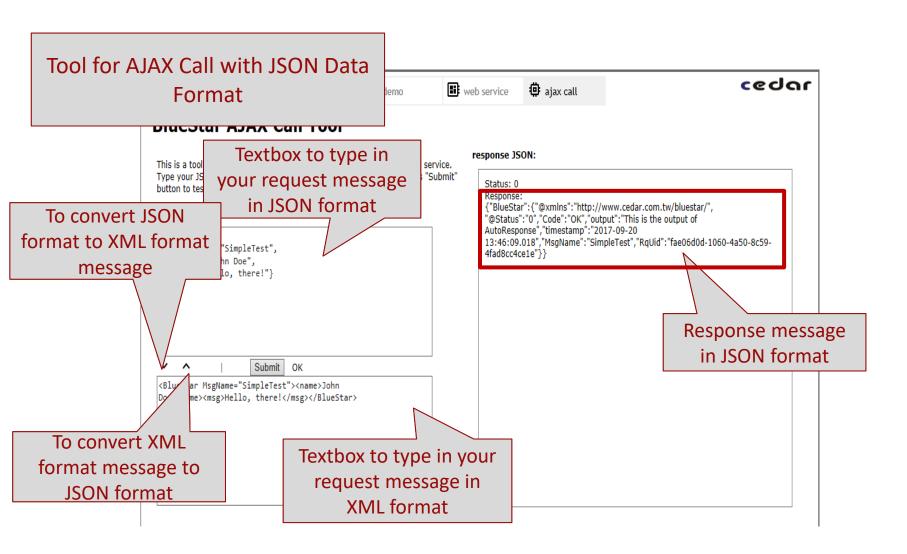
- Supports Visual Studio Development
  - Adapter/Workflow
  - Webservice processor/authorization plugin
  - Parser add-on
  - Custom codec ...

Leverage log4net Logging Mechanism





```
D" encoding="UTF-16"?>
New surrogate codec
                     >004E</UNICODE>
             <AsciiEx>A447</AsciiEx>
             <EBCDIC937>1234</EBCDIC937>
         </Entry>
        - <Entry>
                <!-- D85C DD44 -->
                <!-- memory stream: 5c d8 44 dd -->
             <!-- 台 -->
             <AsciiEx>A578</Asc
                                 Unicode surrogate (4
             <EBCDIC937>6789</
                                   bytes) support.
         </Entry>
        - <Entry>
                <UNICODE>5CD845DD</UNICODE>
             <AsciiEx>A440</AsciiEx>
                <!-- -0x4c4e is — in EBCDIC-->
             <EBCDIC937>4c41</EBCDIC937>
         </Entry>
      </EUDM>
```



# System Requirements

- Windows Server 2016 and up
- .NET Framework 4.5.1